

AMENDMENTS TO THE CLAIMS

1-24 (Canceled)

25. (Currently amended) An electrical device for treatment of skin lesions comprising:

(a) an interface for contacting the skin of a subject;

(b) a heater capable of heating the interface to a temperature from a range of about 48°C to about 53°C; ~~and~~

(c) a heater control system capable of maintaining the interface at a temperature between about 48°C to about 53°C for at least 20 seconds; and

an input/output system allowing a user to select a pre-programmed setting and to variably adjust a pre-programmed parameter of the setting within a predetermined safe range, wherein each pre-programmed setting provides a treatment optimized for a particular type of skin lesion.

26. (Previously Presented) The device of claim 25 wherein the interface has a surface area of less than about 0.5 cm².

27. (Previously Presented) The device of claim 25 wherein the interface is interchangeable or disposable.

28. (Previously Presented) The device of claim 25 wherein the heater control system is capable of maintaining the interface at a temperature between about 48°C to about 53°C for at least 30 seconds.

29. (Previously Presented) The device of claim 25 wherein the heater control system is capable of maintaining the interface at a temperature between about 48°C to about 53°C for at least 60 seconds.

30. (Previously Presented) The device of claim 25 wherein the heater control system is capable of maintaining the interface at a temperature between about 48°C to about 53°C for at least 90 seconds.

31. (Previously Presented) The device of claim 25 wherein the heater control system is capable of maintaining the interface at a temperature between about 48°C to about 53°C for at least 120 seconds.

32. (Previously Presented) The device of claim 25 wherein the heater control system is capable of maintaining the interface at a temperature between about 48°C to about 53°C for at least 150 seconds.

33. (Previously Presented) The device of claim 25 wherein the heater control system uses a feedback control mechanism involving the use of PID control algorithms.

34. (Currently amended) The device of claim 25 wherein the heater control system is capable of gradually controllably ramping the temperature of the interface to the desired temperature range.

35. (Currently amended) A method of treating ~~a subject having~~ a skin lesion, comprising:

selecting a pre-programmed setting on a device, wherein each pre-programmed setting is optimized to treat a particular skin lesion;

varying an individual parameter of the pre-programmed setting within a predetermined safe range according to user preference;

(a) applying thermal energy to the lesion with [[a]] the device; and

(b) maintaining the thermal energy applied to the lesion such that heat at the lesion is sustained at about 48°C to about 53°C for at least 30 seconds.

36. (Previously Presented) The method of claim 35 wherein the heat at the lesion is sustained at a temperature between about 48°C to about 53°C for at least 60 seconds.

37. (Previously Presented) The method of claim 35 wherein the heat at the lesion is sustained at a temperature between about 48°C to about 53°C for at least 90 seconds.

38. (Previously Presented) The method of claim 35 wherein the heat at the lesion is sustained at a temperature between about 48°C to about 53°C for at least 120 seconds.

39. (Previously Presented) The method of claim 35 wherein the heat at the lesion is sustained at a temperature between about 48°C to about 53°C for at least 150 seconds.

40. (Currently amended) A method of treating a ~~subject having~~ an acne skin lesion, comprising:

- (a) applying thermal energy to the lesion with a device; and
- (b) delivering an effective therapeutic amount of thermal energy to the lesion during a treatment that is sufficient to reduce the size of the lesion by about 100% by the 10th day post treatment. ~~improve the recovery time of the acne lesion by at least 1 day.~~

41. (Currently amended) The method of claim 40 wherein the effective therapeutic amount of thermal energy delivered to the lesion is sufficient to reduce the size of the lesion by about 100% by the 9th day post treatment. ~~improve the recovery time of the acne lesion by at least 2 days.~~

42. (Currently amended) The method of claim 40 wherein the effective therapeutic amount of thermal energy delivered to the lesion is sufficient to reduce the size of the lesion by about 100% by the 8th day post treatment. ~~improve the recovery time of the acne lesion by at least 3 days.~~

43. (Currently amended) The method of claim 40 wherein the effective therapeutic amount of thermal energy delivered to the lesion is sufficient to reduce the size of the lesion by about 100% by the 7th day post treatment. ~~improve the recovery time of the acne lesion by at least 4 days.~~

44. (Currently amended) The method of claim 40 wherein the effective therapeutic amount of thermal energy delivered to the lesion is sufficient to reduce the size of the lesion by about 100% by the 6th day post treatment. ~~improve the recovery time of the acne lesion by at least 5 days.~~

45. (Previously Presented) The method of claim 40 wherein the effective therapeutic amount of thermal energy is delivered in no more than 2 treatment cycles.

46. (Previously Presented) The method of claim 40 wherein the effective therapeutic amount of thermal energy is delivered in a single treatment cycle.

47. (Previously Presented) The method of claim 35, wherein the skin lesion is acne.

48. (Currently amended) A method of treating a subject having a skin lesion, comprising:

programming a device with one or more parameters for a treatment setting, such that each setting is optimized for a specific skin lesion, said parameters comprising: a temperature between 48° to 53° C, an application time, an alert to indicate the device is ready to begin a treatment, and an alert to indicate an unsafe temperature;

selecting the program setting for the specific skin lesion;

varying one or more parameters of the programmed setting within a predetermined safe range, according to user preference;

(a)applying-thermal energy to the lesion with [[a]] the device; and

(b)delivering an effective therapeutic amount of thermal energy to the lesion such that a surface of the lesion is maintained at [[a]] the temperature ~~of about 48° to about 53° C.~~

49. (Previously Presented) The method of claim 48, wherein the temperature is maintained within a tolerance of $\pm 1^{\circ}$ C.

50. (Previously Presented) The method of claim 48, wherein the temperature is maintained for at least 30 seconds.